

WE CLAIM:

1. A sliding bearing comprising:  
a bearing alloy layer having a sliding surface; and  
5 a resin surface layer provided on the sliding surface of the bearing alloy layer and containing polybenzimidazole and a solid lubricant.

2. A sliding bearing comprising:  
a bearing alloy layer having a sliding surface;  
10 a bonding layer comprising a thermosetting resin and provided on the sliding surface of the bearing alloy layer; and  
a resin surface layer provided on the bonding layer and containing polybenzimidazole and a solid lubricant.

3. A sliding bearing according to claim 1, wherein the resin surface layer further contains hard particles and a soft metal.

4. A sliding bearing according to claim 2, wherein the resin surface layer further contains hard particles and a soft metal.

20 5. A sliding bearing according to claim 2, wherein the bonding layer contains a solid lubricant.

6. A sliding bearing according to claim 3, wherein the bonding layer  
25 contains a solid lubricant.

7. A sliding bearing according to claim 4, wherein the bonding layer contains a solid lubricant.

8. A sliding bearing according to claim 1, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

5 9. A sliding bearing according to claim 2, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

10. A sliding bearing according to claim 3, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

10 11. A sliding bearing according to claim 4, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

12. A sliding bearing according to claim 5, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

15 13. A sliding bearing according to claim 6, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

20 14. A sliding bearing according to claim 7, wherein the bearing alloy layer comprises a copper alloy or an aluminum alloy.

15. A method of manufacturing a sliding bearing comprising the steps of:

25 applying a resin surface layer composition to a roughened surface of a bearing alloy layer, the resin surface layer composition containing polybenzimidazole and a solid lubricant; and

heating the resin surface layer composition so that the resin surface layer composition is hardened thereby to be formed into a resin surface

layer.

16. A method of manufacturing a sliding bearing comprising the steps of:

5       applying a bonding layer material to a roughened surface of a bearing alloy layer and heating the bonding layer material so that the bonding layer material is hardened into a bonding layer;

10       applying a resin surface layer composition to a surface of the bonding layer after the step of hardening the bonding layer material, the resin surface layer composition containing polybenzimidazole and a solid lubricant; and

      heating the resin surface layer composition so that the resin surface layer composition is hardened thereby to be formed into a resin surface layer.